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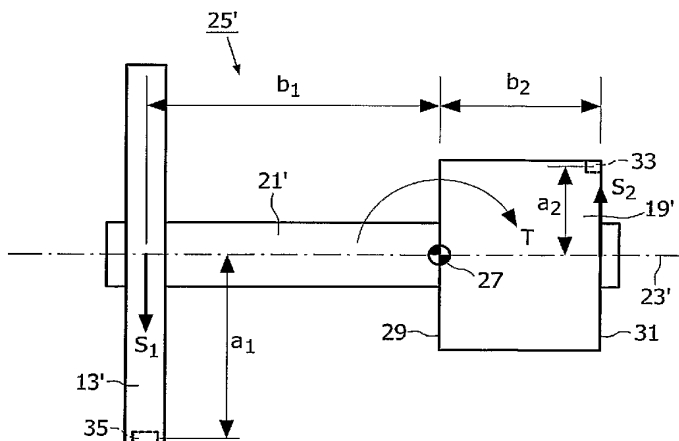
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[Continued on next page]

(54) Title: METHOD OF BALANCING AN SUCTION UNIT COMPRISING A VENTILATOR AND AN ELECTRIC MOTOR



(57) Abstract: The invention relates to a method of manufacturing an electrical suction unit (11) for use in a vacuum cleaner. The suction unit comprises a turbine unit (13) and an electrical motor (15) with a rotor (19) and a stator (27). The turbine unit is attached to the rotor and forms, together with the rotor, a rotatable part (25) of the suction unit, which is rotatable about an axis of rotation (23). According to the method, an amount of material (33) is removed from the rotor (19') and an amount of material (35) is removed from the turbine unit (13') to torque-balance the rotatable part (25') of the suction unit. In this manner, the amount of material (33) to be removed from the rotor (19') to torque-balance the rotatable part (25') is considerably reduced, so that the adverse influence of the removal of the material (33) from the rotor (19') on the performance of the electrical motor (15) is limited.

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